

Title (en)
SPLIT BALL SLEEVE

Title (de)
GETEILTE KUGELGELENKHÜLSE

Title (fr)
MANCHON À BILLES FENDU

Publication
EP 3026275 A1 20160601 (EN)

Application
EP 15193755 A 20151109

Priority
US 201414547558 A 20141119

Abstract (en)
In one aspect, a rolling element shaft assembly is provided. The rolling element shaft assembly includes a solid shaft (14) having a first end and a second end, a tubular shaft (18) configured to receive the shaft first end, and a bearing sleeve (24) coupled to the solid shaft. The bearing sleeve includes a first portion defining (38) a first edge, a second edge, and at least one first bearing aperture, and a second portion (40) defining a third edge, a fourth edge, and at least one second bearing aperture. The first portion is configured to couple to the second portion about the solid shaft. The bearing sleeve further includes at least one first bearing disposed within the at least one first bearing aperture and at least one second bearing disposed within the at least one second bearing aperture.

IPC 8 full level
F16C 3/03 (2006.01); **F16C 33/40** (2006.01)

CPC (source: CN EP US)
B23P 15/003 (2013.01 - US); **B62D 1/20** (2013.01 - CN); **F16C 3/035** (2013.01 - CN EP US); **F16C 29/04** (2013.01 - EP US); **F16C 29/046** (2013.01 - US); **F16C 33/3812** (2013.01 - EP US); **F16C 33/40** (2013.01 - EP US); **F16C 33/60** (2013.01 - CN US); **F16D 3/065** (2013.01 - EP US); **F16C 2326/24** (2013.01 - CN EP US)

Citation (search report)

- [X1] US 5345679 A 19940913 - LENNON BRADY J [US], et al
- [X1] DE 202008015070 U1 20100408 - HETTICH PAUL GMBH & CO KG [DE]
- [A] DE 19824477 A1 19991202 - DAIMLER CHRYSLER AG [DE]
- [A] EP 1930610 A1 20080611 - JTEKT CORP [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3026275 A1 20160601; **EP 3026275 B1 20190220**; CN 105605080 A 20160525; CN 105605080 B 20191022; US 10641316 B2 20200505; US 2016138644 A1 20160519; US 2018010629 A1 20180111; US 9803684 B2 20171031

DOCDB simple family (application)
EP 15193755 A 20151109; CN 201511036122 A 20151119; US 201414547558 A 20141119; US 201715710121 A 20170920